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states:(71) Applicant: **MAZDA MOTOR CORP**(72) Inventor: **YAMANE TAKAKAZU
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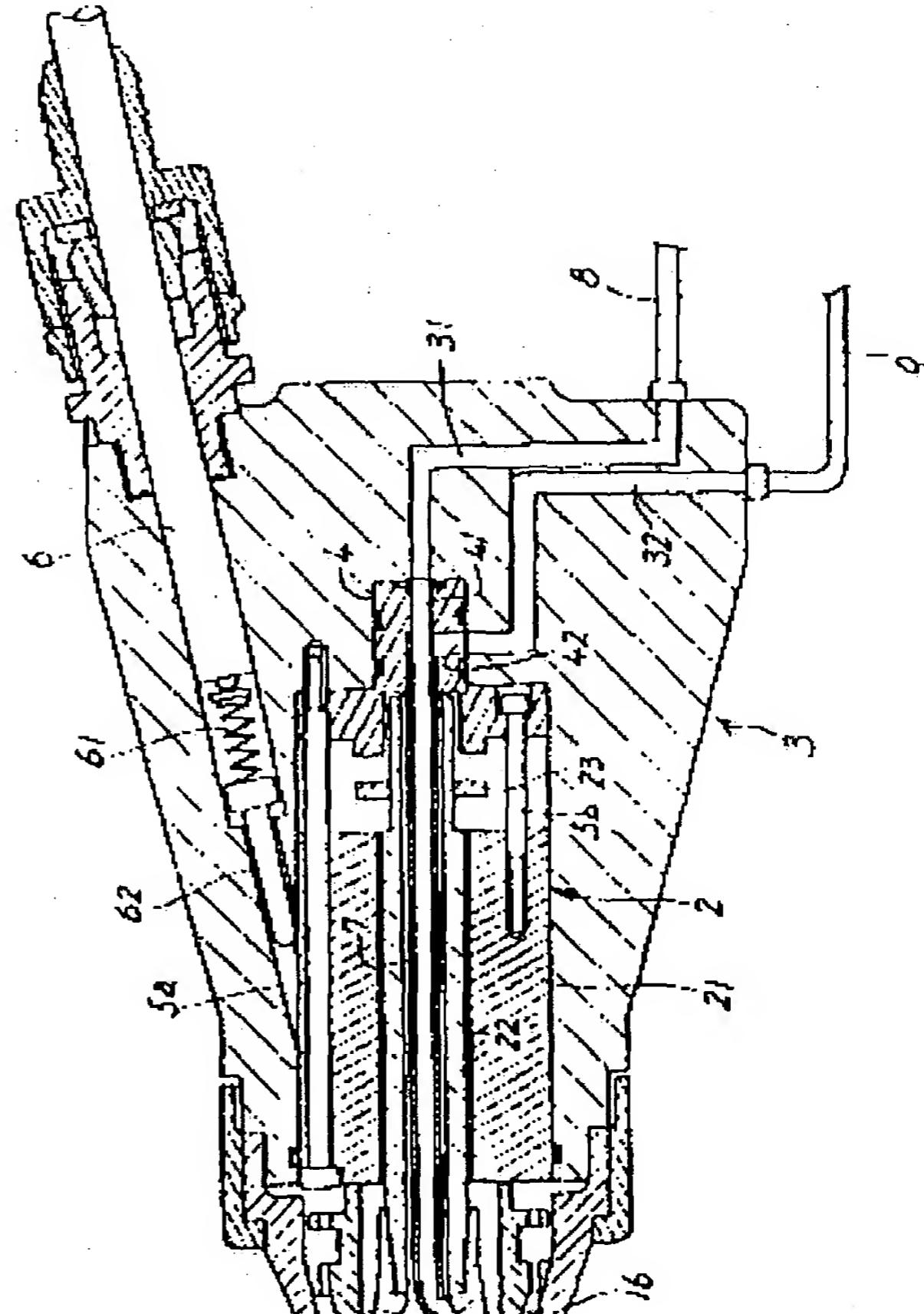
(74) Representative:

**(54) METHOD FOR
SUPPLYING PAINT INTO
ROTARY ATOMIZING
HEAD OF SPRAY
APPARATUS**

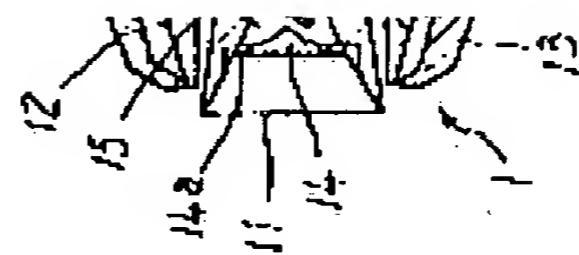
(57) Abstract:

PURPOSE: To enhance the operability of an atomizing head by reducing the pipe connection space of said head, by a method wherein a main agent and a curing agent are flowed in the single paint supply pipe allowed to face the interior of the atomizing head from the back surface side thereof in a laminar state to be supplied into the atomizing head.

CONSTITUTION: The paint supply pipe 7 for supplying paint to the miniature bell of an atomizing head 1 is inserted in the hollow part of a rotary shaft 22 and the front end thereof is introduced into the mixing chamber 15 of the miniature bell 11 from the back surface thereof and the rear end thereof is introduced into a



joint member 4. At the time of painting, a main agent is sent into the paint supply pipe 7 from a tank through a main agent supply hose 8 and the first passages 31, 41 while a curing agent is sent into said pipe 7 through a curing agent supply hose 9 and the second passages 32, 42. At this time, the main agent and the curing agent become a laminar flow separated into respective laminar streams in the pipe 7 by setting a Reynolds number and enter the mixing chamber 15 to be mixed by centrifugal force to be sprayed from the miniature bell 11.



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